LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 244

FRUIT JAMS.

32617—1

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FRUIT JAMS.

OTTAWA, December 6, 1912.

WM. HIMSWORTH, Esq.,
Acting Deputy Minister of Inland Revenue.

SIR,—I have the honour to hand you a report upon 158 samples purchased as jams in February and March of the present year. The results of analysis may be summarized thus:—

Addition of fruit juice acknowledged	18
Preservative or dye present	39
No explanatory statement	78
Sold as compound	3
Samples spoiled or broken	2
Containing glucose without acknowledgement	18
Total	158

Standards for fruit products were established under section 26 of the Adulteration Act, in October of this year, coming into force November 25, 1912. Circular G. 1044, containing the Order in Council in question, is as follows:—

FRUIT AND FRUIT PRODUCTS.

1. Fruits are the clean, sound, edible, fleshy fructifications of plants, distinguished by their sweet, acid and ethereal flavours.

2. Dried fruit is the clean, sound product made by drying matured properly prepared fresh fruit in such a way as to take up no harmful substances; and conforms in name to the fruit used in its preparation.

3. Evaporated fruit is dried fruit in whose preparation artificial heat has been employed.

4. Evaporated apples shall contain not more than 27 per cent of moisture.

5. Canned fruit is the sound product made by sterilizing clean, sound, properly matured and prepared fresh fruit, by heating with or without sugar, and keeping in suitable clean, hermetically sealed containers: and conforms in name to the fruit used in its preparation.

6. Preserve is the sound product made from clean, sound, properly matured and prepared fresh fruit and sugar syrup, with or without spices and vinegar, and conforms in name to the fruit used in its preparation.

7. Jam, marmalade, is the sound product made from clean, sound, properly matured and prepared fresh fruit or fruit pulp and sugar, with or without spices or vinegar, by boiling to a semi-solid consistence: and conforms in name to the fruit used in its preparation.

8. Fruit butter is the sound product made from fruit juice, and clean, sound, properly matured and prepared fruit, boiled to a semi-solid mass of homogeneous consistence, with or without the addition of sugar and spices or vinegar and conforms in name to the fruit used in its preparation.

9. Jelly, fruit jelly, is the sound, semi-solid gelatinous product made by boiling clean, sound, properly matured and prepared fresh fruit with water, concentrating the expressed and strained juice, to which sugar is added, and conforms in name to the fruit used in its preparation.

10. When jam, marmalade, fruit butter or jelly contains other fruit or fruit juice than that which gives its special name to the article, the fact of the presence of such other fruit shall be stated upon the label, in lettering as large and as distinct as that used in naming the fruit principally present. This requirement does not, however, apply to the use of fruit juice, up to the amount of ten (10) per cent of the weight of the jam, etc., used instead of water in the manufacture of the jam, etc.

11. When the sugar in preserve, jam, marmalade, fruit butter or jelly is wholly or partially replaced by glucose, or by any other substitute for sugar, the fact of such substitution shall be stated upon the label in plain lettering.

The standards above defined take effect on November 25, 1912.

Of course the samples now reported are not to be judged by the Standards above given.

After this date, it [illegible] ary to state the presence of glucose upon the label, whenever this article is [illegible] ms made with mixed fruits must also be properly described; although the a[illegible] of fruit juice up to ten per cent is not prohibited. Such juice, replacing water in the manufacture of the jam, doubtless adds to the value of the jam, and it is pleasing to note that in 18 samples examined, the maker has declared the presence of fruit juice.

Some makers of jam claim that the addition of small amounts of glucose improves the article. The question may be considered an open one; but it is fair to the purchaser that he should be advised of the presence of glucose, and this is now required by our standards. Several manufacturers who formerly used glucose, have given up its use within a year or two; and in such cases, it is only in their older product that we find glucose.

Under the circumstances I do not feel called upon to describe any of the samples now reported, as adulterated; although, had now existing standards been in force at the time of inspection, 18 samples would have been so described.

I beg to recommend the publication of this report as Bulletin No. 244.

I have the honour to be Sir,
Your obedient servant,

A. McGILL,
Chief Analyst.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.	Inspector's Report (Is not an expression of opinion).	Solids Insoluble.
DISTRICT OF NOVA SCOTIA—									
1912.									p. c.
Feb. 19	Fruit Jam .	47031	Wentzells, Ltd., Halifax, N.S.	3 jars.	60	W. P. Hartley, London, Eng	Manuf'rers .	.....	1·52
" 20	" ..	47032	J. L. Archibald & Son, Halifax, N.S.	3 "	75	Cairns, Paisley, Scot.	Jno. Tobin & Co., Halifax, N.S.	.....	2·77
" 21	" ..	47033	J. F. Crowe & Co., Ltd., Halifax, N.S	3 "	56	C. E. Morton, London, Eng	Manuf'rers .	.....	1·92
" 22	" ..	47034	B. H. Dodge & Co., Kentville, N.S.	3 "	75	Wagstaffe, Hamilton, Ont.	H. R. Silver, Halifax, N.S.	.....	2·34
" 23	" ..	47035	De Wolfe & Lamont, Kentville, N.S.	3 "	75	Aylmer Canning Co., Aylmer, Ont.	R. B. Seeton &Co., Halifax, N.S.	.....	6·81
" 26	" ..	47036	Bauld Bros., Ltd., Halifax, N.S.	3 "	20	Chivers&Sons, Ltd., Cambridge, Eng.	Manuf'rers .	.....	4·20
" 26	" ..	47037	John Tobin & Co., Halifax, N.S.	3 "	45	Aylmer Canning Co., Aylmer, Ont.	" ..	.....	5·06
" 26	" ..	47038	R. B. Calwell, Halifax, N. S.	3 "	35	E. D. Smith, Winona, Ont	" ..	.....	2·86
" 26	" .	47039	A. & W. Smith & Co., Halifax, N.S.	3 "	45	Simcoe Canning Co., Simcoe, Ont.	" ..	.....	3·41
Mar. —	" ..	47040	H. R. Silver, Halifax, N.S.	3 "	nil	Wagstaffe, Hamilton, Ont.	" ..	.....	2·63
DISTRICT OF PRINCE EDWARD ISLAND—									
Feb. 7	Fruit Jam..	46176	Auld Bros., Charlottetown, P.E.I.	3 pkgs	45	T. Upton Co., Ltd., Hamilton, Ont.	.....	.....	*
" 7	" ..	46177	" ..	3 "	60	Crosse&Blackwell, London, Eng.	.....	.....	3·80
" 15	" ..	46178	Brace McKay Co., Ltd., Summerside, P.E.I.	3 "	60	Jno. Buchanan & Bro., Ltd., Glasgow.	.....	.....	5·30
" 16	" ..	46179	R. T. Holman, Ltd., Summer'de, P.E.I	3 "	60	Aylmer Canning., Hamilton, Ont.	.....	.....	6·00
" 16	" ..	46180	Waugh & Steeves, Sum'de, P.E.I.	3 "	1.05	Duerr's, Manchester, Eng.	.....	.....	0·85
" 19	" ..	46181	Beer & Goff, Ch'town, P. E.I.	3 "	75	J. A. Sharwood, Ltd., London, Eng	.....	.....	4·08

* Not analyzed.

FRUIT JAMS.

Results of Analysis.												
per cent.			Polarization (normal solution).									Remarks and Opinion of the Chief Analyst.
Soluble.	Total.	Water.	Direct.	Invert.	Difference.	Residual cane sugar	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.	No. of Sample.	
R. J. WAUGH, INSPECTOR.												
p. c.	p. c.	p. c.				p. c.	p. c.					
69·62	71·14	28·86	+19·2	-23·4	42·6	32·11	35·51	None.	None.	Strawberry tissues	47031	Genuine. Added fruit juice acknowledged on label.
71·20	73·97	26·03	+25·2	-23·3	48·5	36·56	34·64	" .	" .	"	47032	Genuine.
65·70	67·62	32·38	+ 3·2	−21·2	24·4	18·40	47·30	" .	" .	Plum tissues	47033	"
62·37	64·71	35·29	+ 4·4	−20·5	24·9	18·77	43·60	Salicylic acid.	Present.	Strawberry tissues.	47034	Contains preservative and is dyed otherwise genuine.
62·37	69·18	30·82	+ 2·8	-12·6	15·4	11·50	50·87	None.	None.	Raspberry tissues.	47035	Contains glucose. Is an old sample.
70·75	74·95	25·05	+17·9	-22·8	40·7	30·68	40·07	" .	" .	Green gage tissues and stones.	47036	Genuine. Small addition of fruit jelly acknowl'ged on label
70·70	75·76	24·24	+48·9	-22·0	70·9	53·5	17·20	" .	" .	Peach tissues.	47037	Genuine.
64·10	66·96	33·04	+10·0	-20·7	30·7	23·14	40·96	" .	" .	Strawberry tissues.	47038	"
66·00	69·41	30·59	+11·7	−21·9	33·6	25·33	40·67	Salicylic acid trace.	" .	Raspberry tissues.	47039	" trace salicylic acid.
67·37	70·00	30·00	+41·9	-23·6	65·5	49·37	18·00	None.	Present.	.....	47040	Contains dye. Otherwise genuine.
WM. A. WEEKS, INSPECTOR.												
	....	....	....	.....	.....	.....	.....	.....	.....	.....	46176	Sold as compound.
68·90	72·70	27·30	+ 0·4	−22·2	22·6	17·04	51·86	None.	None.	Plum & raspb'y, etc., tis's	46177	Genuine.
65·70	71·00	29·00	− 5·0	-20·8	15·8	11·90	53·80	" .	" .	Plum tissues & stones	46178	"
62·62	68·62	31·38	+ 9·3	−20·6	29·9	22·3	46·3	" .	" .	Raspberry tissues.	46179	"
64·50	65·35	34·65	+12·8	−22·0	34·8	26·23	38·27	" .	" .	Strawberry tissues.	46180	Genuine. Apple jelly acknowledged on label.
66·37	70·45	29·55	+ 7·3	−21·4	28·7	21·63	44·74	" .	" .	Raspberry tissues.	46181	Genuine.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.	Inspector's Report. (Is not an expression of opinion).	Solids Insoluble.
DISTRICT OF PRINCE EDWARD ISLAND—									
1912.									p. c.
Feb. 19	Fruit Jam..	46182	Beer & Goff, Ch'town, P. E.I.	3 pkgs	75	Wagstaffe, Ltd Hamilton, Ont.	.....	.....	1·26
" 27	" ..	46183	Coffin & Co., Ch'town, P. E.I.	3 "	60	Simcoe Canning Co., Simcoe, Ont.	.....	.....	7·44
" 27	" ..	46184	" ..	3 "	45	R. F. Madigan & Co., Ch'town, P.E.I.	.....	.....	†
" 27	" ..	46185	Joseph Crabbe Ch'town, P. E.I.	3 "	60	Lipton's, England.	.....	.....	2·34
DISTRICT OF NEW BRUNSWICK—									
Feb. 6	Fruit jam...	45621	Baird & Peters, St. John, N.B	3 jars.	25	The Lynn Valley Canning Co., Simcoe, Ont.	.....	Sold as Compound.	*
" 7	" ..	45622	2 Barkers, Ltd. St. John, N.B	3 "	54	Clarke Nickolls & Coombs, London, Eng	.....	Plum	3·25
" 14	" ..	45623	Puddington, Wetmore Morrison, Ltd., St. John, N.B.	3 "	20	Chivers & S'ns, Ltd., Histon, Eng.	.....	Strawberry....	3·71
" 27	" ..	45624	P. F. McKenna, St. Stephen, N.B.	3 "	75	Wm. P. Hartley, London, Eng.	.....	Raspberry....	2·70
" 27	" ..	45625	F. E. Rose, St. Stephen, N.B	3 "	45	Lea's, Ltd., Simcoe, Ont.	.....	Strawberry...	5·53
Mar. 5	" ..	45626	G. T. Whelpley Estate, Fredericton, N.B.	3 "	75	E. D. Smith, Winona, Ont.	.....	Peach.....	3·00
" 7	" ..	45627	D. R. Bedell, Andover, N. B.	3 "	75	John Stephen's Son & Co., Ltd., Gloucester, Eng.	.....	Raspberry...	2·92
" 8	" ..	45628	Geo. T. Baird Co., Ltd., Perth, N.B.	3 "	66	Maconochie Bros., Ltd., London, Eng	.....	Raspberry and Currant.	3·50
" 13	" ..	55629	D. A. McBeath, Moncton, N. B.	3 "	75	E. D. Smith, Winona, Ont.	.....	Strawberry...	2·60
" 14	" ..	45630	George Tables, Newcastle, N.B.	3 "	75	Hudon, Hebert et Cie, Montreal.	.....	Strawberry "Gazelle" Brand.	4·40

† Both samples fermenting and partly leaked out. * Sold as compound.

FRUIT JAMS.

Results of Analysis.												
per cent.			Polarization (normal solution.)									Remarks and Opinion of the Chief Analyst.
Soluble.	Total.	Water.	Direct.	Invert.	Difference.	Residual cane sugar.	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.	No. of Sample.	
Concluded.												
p. c.	p. c.	p. c.				p. c	p. c.					
65·60	66·86	33·14	+ 1·6	−22·0	23·6	17·80	47·80	None.	Present slight	Gooseberry tissues.	46182	Genuine.
64·37	71·81	28·19	+24·0	−19·7	43·7	32·94	31·43	Salicylic acid trace	None.	Raspberry tissues.	46183	" trace salicylic acid.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46184	Samples spoiled.
69·50	71·84	28·16	+16·0	−22·6	38·6	29·10	40·40	None.	None.	Strawberry tissues.	46185	Genuine.
J. C. FERGUSON, INSPECTOR.												
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45621	Sold as compound.
68·00	71·25	28·75	+27·9	+3·8	24·1	18·16	49·84	None.	None.	Plum tissues & a very few stones.	45622	Contains glucose.
67·50	71·21	28·79	+26·4	−21·7	48·1	36·26	31·24	"	"	Strawberry tissues.	45623	Genuine. Fruit jelly acknowledged on the label.
70·37	73·07	26·93	+10·7	−23·0	33·7	25·40	44·97	"	"	Raspberry tissues.	45624	Genuine. Fruit juice acknowledged on the label.
55·75	61·28	38·72	+4·3	−17·0	21·3	16·05	39·70	Benzoic acid trace.	"	Strawberry tissues.	45625	Trace of preservative—otherwise genuine.
62·25	65·25	34·75	+20·6	−18·8	39·4	29·70	34·55	None.	"	Peach tissues.	45626	Genuine.
68·90	71·82	28·18	+5.0	−22·5	27·5	20·73	48·17	"	"	Raspberry tissues.	45627	Genuine. Fruit juice acknowledged on the label.
67·70	71·20	28·80	−18·2	22·0	3·8	2·86	64·84	"	"	Raspberry & currant tissues.	45628	Genuine.
64·37	66·97	33·03	−12·9	−21·4	8·5	6·41	57·96	"	"	Strawberry tissues.	45629	"
66·62	71·02	28·98	+25·7	−22·2	47·9	36·11	30·51	"	"	"	45630	"

Date of Collection	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report (Is not an expression of opinion).	Solids Insoluble.
									p. c.
DISTRICT OF QUEBEC—									
1912. Feb. 7	Fruit Jam..	37378	Arthur Drolet, 714 Rue St. Valier, Que.	3 pkgs	15	Chivers & S'ns, Histon, Cambridge, Eng.	J.B. Renaud Quebec.	.....	3·41
" 7	" ..	37379	" ..	3 "	15	" ..	" ..	.....	3·68
" 7	" ..	37380	" ..	3 "	75	Cairns, Paisley, Scotland	Hudon & Hebert, Montreal.	.....	3·16
" 7	" ..	37381	" .	3 "	75	" ..	" ..	.....	1·56
" 7	" ..	37382	" ..	3 "	75	" ..	" ..	.....	3·18
" 7	" ..	37383	" ..	3 "	75	" ..	" ..	.....	4·15
" 7	" ..	37384	" ..	3 "	75	Aylmer Canning Co., Hamilton.	Langlois & Paradis.	.....	7·28
" 7	" ..	37385	" ..	3 "	75	" ..	" ..	.....	6·79
" 7	" .	37386	" ..	3	75	Ross and Laflamme.	Manufacturers.	.....	2·90
" 7	" ..	37387	" ..	3 "	105	Duerr's, Manchester, Eng.	J.B. Renaud Quebec.	.....	1·33
DISTRICT OF ST. HYACINTHE—									
Feb. 20	Fruit jam...	39023	J. A. Baraby, St. Jean.	3 jars.	75	Robertson, Paisley, Scotland.	.....	Blackberry ...	2·11
" 20	" ..	39024	G. Dupuis, St. Jean.	3 "	90	Vendor ...	.....	Strawberry....	2·31
" 21	" ...	39025	Magog Co-op. Society.	3 "	60	Jos. Lamoureux, Montreal.	American Pure Food Co., Montreal.	.....	*
" 22	" ...	39026	Theriault & Leduc, Sherbrooke.	3 "	60	Aylmer Canning and Preserving Co., Hamilton.	.....	Plum ...	5·88
Mar. 20	"	39027	E. J. Pearson, Richmond.	3 "	75	J. Robertson & Sons. Manchester, Eng.	.....	Strawberry....	1·64

* Not analysed.

FRUIT JAMS.

Results of Analysis.												
per cent.			Polarization (normal solution).									Remarks and Opinion of the Chief Analyst.
Soluble.	Total.	Water.	Direct.	Invert.	Difference.	Residual cane sugar.	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.	No. of Sample.	
F. X. W. E. BELAND, INSPECTOR.												
p. c.	p. c.	p. c.				p. c.	p. c.					
69·87	73·28	26·72	+23·6	-23·0	46·6	35·13	34·74	None.	None.	Strawberry tissues.	37378	Genuine; addition of fruit jelly acknowledged.
69·30	72·98	27·02	+20·0	-23·0	43·0	32·41	36·89	" .	" .	Raspberry tissues.	37379	" ..
68·75	71·91	28·09	-13·7	-22·5	8·8	6·63	62·12	" .	" .	" ..	37380	" ..
64·50	66·06	33·94	+9·7	+20·8	30·5	23·00	41·50	" .	" .	Apricot tissues.	37381	" ..
62·12	65·30	34·70	-14·2	-19·8	5·6	4·22	57·90	" .	" .	Black currant tissues.	37382	" ..
59·62	63·77	36·23	+4·4	-18·9	23·3	17·56	42·60	" .	" .	Plum tissues & stones	37383	" ..
65·11	72·39	27·61	+23·0	-19·4	42·4	31·8	33·21	" .	" .	Strawberry tissues	37384	" ..
61·26	68·05	31·45	+21·0	-16·2	37·2	28·0	33·36	" .	" .	Raspberry tissues.	37385	Samples received broken and partly leaked out.
68·62	71·52	28·48	+11·0	-21·7	32·7	24·65	43·97	" .	" .	Fig and lemon tissues.	37386	Genuine.
66·50	67·83	32·17	+17·3	-22·8	40·1	30·23	36·27	" .	" .	Strawberry tissues.	37387	Genuine. Apple jelly acknowledged.
J. C. ROULEAU, INSPECTOR.												
71·00	73·11	26·89	+19·6	-24·7	44·3	33·40	37·60	None.	None.	Blackberry tissues	39023	Genuine.
44·62	46·93	53·07	+9·0	-9·7	18·7	14·10	30·52	"	"	Strawberry tissues	39024	A preserved fruit—not a jam. Genuine.
.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	39025	Sold as compound.
65·10	70·98	29·02	+9·5	-19·6	29·1	21·9	43·20	None.	None.	Plum tissues and stones	39026	Genuine.
69·10	70·74	29·26	+20·4	-22·5	42·9	32·34	36·76	Salicylic acid.	slightly dyed	Strawberry tissues	39027	Contains Salicylic acid and is dyed. Otherwise genuine.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report. (Is not an expression of opinion).	Solids Insoluble.
DISTRICT OF ST. HYACINTHE									
1912.									p.c.
Mar. 22	Fruit jam ..	39028	Basinet & Brodeur, St. Hyacinthe.	3 jars.	75	L. Noel & Sons, London, Ltd. S.E.	.....	Raspberry	4·74
" 22	"	39029	J. B. J. Phaneuf, St. Hyacinthe.	3 "	90	E. Chaput, L. Egypte.	.....	Strawberry....	7·48
" 23	" ..	39030	A. Brodeur, St. Hyacinthe.	3 "	75	Chivers & Sons Ltd., Eng.	.....	Raspberry ..	2·54
" 23	"	39031	J. B. St. Pierre, St. Hyacinthe.	3 "	75	A. Cairns & Sons, Paisley, Scotland	.....	Peach	1·87
DISTRICT OF MONTREAL									
Feb. 13	Fruit jam..	40811	L. Chaput, Fils et Cie., Ltd., De Brisbois St., Montreal.	3 jars.	53	Aylmer Canning Co., Ltd.	.....	Raspberry	5·50
" 13	" ..	40812	"	3 "	54	E. D. Smith..	.....	" ..	5·11
" 13	" ..	40813	"	3 "	52	T. Upton Co., Ltd.	.....	" ..	6·46
" 13	" ..	40814	Mrs. Luke, 38 Victoria St., Montreal.	3 "	30	Vendor	.....	Plum	5·53
" 13	" ..	40815		3 "	45	"	.....	Black Currant	6·90
" 13	"	40816	"	3 "	45	" .	.....	Strawberry....	3·57
" 13	" ..	40817	St. Louis Preserving Co., Ltd., Montreal.	3 "	60	Vendors.....	..	" ..	1·53
" 13	"	40818		3 "	60	" .	.....	Raspberry.	6·90
" 13	"	40819	"	3 "	60	"		Plum . .	1·65
" 14	" .	40820	W. Schwartz, 100 St. Catherine Street West, Montreal.	3 "	60	Aylmer Canning Co., Ltd.	. . .	. .	6·45

FRUIT JAMS.

Results of Analysis.

per cent			Polarization (normal solution.)									
Soluble.	Total.	Water.	Direct.	Invert.	Difference.	Residual cane sugar.	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Concluded.												
p.c.	p.c.	p.c.				p.c.	p.c.					
65·90	70·64	29·36	0·6	-15·2	14·6	11·00	54·90	None.	None.	Raspberry tissues	39028	Contains glucose. Old sample.
50·75	58·23	41·77	6·7	-16·0	9·3	7·01	43·74	"	"	"	39029	Genuine.
68·62	71·16	28·84	+5·7	22·0	27·7	20·88	47·44	"	"	"	39030	Genuine. Fruit jelly added and acknowledged.
67·87	69·74	30·26	+12·2	22·6	34·8	26·23	41·64	"	"	Peach tissues	39031	Genuine.

J. J. COSTIGAN, INSPECTOR.

59·10	64·60	35·40	+8·8	-19·5	28·3	21·0	38·10	None.	None.	Raspberry tissues	40811	Genuine.
62·00	67·11	32·89	+7·8	-21·2	29·0	21·86	40·14	"	"	"	40812	"
56·87	63·33	36·67	+15·9	-18·9	34·8	26·23	30·64	"	"	"	40813	"
55·87	61·40	38·60	-13·9	15·1	1·2	0·90	54·97	"	"	Plum tissues	40814	"
55·37	62·27	37·73	11·1	-16·6	5·5	4·14	51·23	"	"	Black Currant tissues	40815	"
59·50	63·07	36·93	13·6	18·5	4·9	3·70	55·80	"	"	Strawberry tissues	40816	"
68·25	69·58	30·42	+67·6	+24·8	42·8	32·25	36·00	Salicylic acid.	"	"	40817	Contains glucose and a preservative.
61·80	68·70	31·30	+54·5	+21·1	33·4	25·18	36·62	"	"	Raspberry tissues	40818	"
68·90	70·50	29·50	47·8	+21·4	26·4	19·90	49·00	"	"	Plum tissues only.	40819	"
60·40	66·95	33·05	+9·6	15·2	24·8	18·7	41·70	None	"	Plum tissues and stones	40820	Contains glucose. Old sample.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report (Is not an expression of opinion).	Solids Insoluble.
									DISTRICT OF OTTAWA—
1912.									p. c.
Feb. 5	Fruit Jam..	50141	The A. B. Scott Co., Smith's Falls.	3 jars.	105	Duerr's, England.	Robertson & Nicolle, Smith's Falls.	Raspberry Warranted Pure.	1·00
" 7	" ..	50142	A. Edwards, Cornwall.	3 " .	45	Lea's, Ltd., Simcoe, Ont	Mfrs.....	Strawberry absolutely pure.	3·38
" 9	"	50143	John Simpson & Son, Alexandria.	3 " .	75	Robertson's Paisley, Scotland.	Mathewson's Sons, Montreal.	Green gage	4·54
" 12	" .	50144	R. Richardson, Preston St., Ottawa.	3 " .	75	E. D. Smith, Winona, Ont	Unknown...	Strawberry..	4·13
" 13	" ..	50145	P. J. Campbell Renfrew.	3 "	45	Simcoe Canning Co. Simcoe, Ont.	W. J. Craig, Kingston.	"	4·71
" 19	" ..	50146	Jos. P. Valiquette, Dalhousie St., Ottawa.	3 "	54	Dom. Canners Ltd., Montreal.	Major's Ltd. Ottawa.	Peach.....	5·67
" 19	" ..	50147	L. Malette, Dalhousie St., Ottawa.	3 " .	60	John Gray & Co., Ltd., Glasgow.	Mfrs.. . .	Strawberry....	1·37
" 19	" ..	50148	Jas. Mundy, Grocer, Ottawa.	3 "	75	C. & E. Morton London, Eng.	"	Black Currant	3·14
" 19	" .	50149	" .	3 " .	75	"	" .	Red Currant..	3·92
" 20	" ..	50150	Bryson Graham Ltd, Ottawa.	3 "	75	Cairns, Paisley, Scotland	" ...	Plum	2·86
									DISTRICT OF KINGSTON—
Feb. 5	Fruit Jam..	49541	H. M. Stover, Kingston.	3 pkgs	45	Simcoe Canning Co.	. ..	Strawberry....	3·54
" 5	" ..	49542	J. Lee, Kingston	3 " .	75	Millar Co. Ltd. Belfast, Ireland.	..	Raspberry....	4·23
" 5	" .	49543	W. J. Nesbitt, Kingston.	3 "	75	J. Warstaffe, Ltd.	....	" . .	4·25
" 5	" ..	49544	H. A. Smith, Kingston.	3 "	35	E. D. Smith. Winona, Ont.		Crab apple .	Trace
" 6	"	49545	Wm. Davies, Kingston.	3 "	60	Chivers & S'ns, Histon, Cambridge, Eng.	.....	Strawberry....	2·65
" 6	" .	49546	A. Glover, Kingston.	3 "	75	Crosse & Blackwell, London, Eng.	.....	Raspberry....	5·00

FRUIT JAMS.

Results of Analysis.													
per cent.			Polarization (normal solution).										Remarks and Opinion of the Chief Analyst.
Soluble.	Total.	Water.	Direct.	Invert.	Difference.	Residual cane sugar	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.	No. of Sample		
J. A. RICKEY, INSPECTOR.													
p. c.	p. c.	p. c.				p. c.	p. c.						
65·37	66·37	33·63	3·6	22·0	18·4	13·87	51·50	None.	None.	Strawberry tissues.	50141	Genuine. Apple jelly acknowledged	
58·87	62·25	37·75	+4·3	-18·1	22·4	16·83	41·98	Benzoic acid.	"	"	50142	Contains a preservative. Otherwise genuine.	
64·37	68·91	31·09	-6·4	-18·7	25·1	18·92	45·45	None.	"	Plum tissues.	50143	Genuine.	
58·75	62·88	37·12	-11·0	-18·6	7·6	5·73	53·02	"	"	Strawberry tissues	50144	"	
67·69	72·31	27·69	-39·3	23·1	62·4	47·07	20·53	Salicylic acid.	"	"	50145	Preservative. Otherwise genuine	
72·00	77·67	22·31	-39·0	-22·0	61·0	45·9	26·10	None.	"	Peach tissues	5014	Genuine.	
67·12	68·49	31·51	5·3	21·4	16·1	12·14	54·98	"	"	Strawberry tissues.	50147	"	
68·37	71·51	28·49	-3·2	22·0	25·2	19·00	49·37	"	"	Currant tissues.	50148	"	
68·50	72·42	27·58	+1·4	-23·1	24·5	18·47	50·03	"	"	"	50149	"	
66·75	69·61	[illegible]	-5·3	-20·9	26·2	19·75	47·00	"	Present.	Plum tissues & stones	50150	Dyed. Otherwise genuine.	
JAS. HOGAN, INSPECTOR.													
69·75	73·29	26·71	+40·5	-23·4	63·9	48·17	21·58	Salicylic acid.	None.	Strawberry tissues.	49541	Preservative present. Otherwise genuine.	
66·87	71·10	28·90	+5·7	9·7	15·4	11·61	55·26	None.	"	Raspberry tissues	49542	Contains glucose.	
66·87	71·12	28·88	+18·6	-23·1	41·7	31·44	35·43	"	Present	Raspberry & Currant tissues.	49543	Dyed. Otherwise genuine.	
70·12	70·12	29·88	+12·1	26·7	38·8	28·95	41·17	"	None	Crab apple jelly	49544	Genuine.	
70·37	73·02	26·98	+17·3	-23·0	40·3	30·37	40·00		"	Strawberry tissues	49545	Genuine. Fruit jelly acknowledged	
64·10	67·10	32·90	+6·1	21·2	27·3	20·58	43·52	"	"	Raspberry tissues	49546	Genuine.	

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report (Is not an expression of opinion).	Solids Insoluble.
DISTRICT OF KINGSTON—									
1912.									p. c.
Feb. 6	Fruit Jam..	49547	J. Gilbert, Kingston.	3 pkgs	75	Clark, Nickells & Coombs, London.	.....	Black Currant	2·74
" 7	" ..	49548	H. E. Fairfield, Belleville.	3 "	30	Lea's, Simcoe.	.....	Strawberry....	3·85
" 7	"	49549	J. Hilton, Belleville.	3 "	60	J. Robertson & Sons, Paisley.	.....	Raspberry....	2·52
" 7	" ..	49550	Geo. Pearson, Belleville.	3 "	105	Duerr's Manchester.	.....	Strawberry....	1·28
DISTRICT OF TORONTO—									
Feb. 5	Fruit Jam	49317	The Canada Preserving Co., Pine st., Hamilton.	3 jars.	50	Vendors.....	.....	Graham's Pure Raspberry Jam.	5·18
" 5	" ..	49318	The T. Upton Co., Ltd., Hamilton.	3 "	50	"	.....	Upton's Pure Strawberry Jam.	1·80
" 5	"	49319	Wagstaffes, Ltd., Hamilton.	3 "	60	"	.....	Wagstaffe's fi'e Old English Pure Peach Jam.	1·80
" 5	" ..	49320	Aylmer Canning Co., Ltd., Hamilton.	3 "	38	Simcoe Canning Co., Simcoe.		Strawberry. Guaranteed absolutely pure.	3·24
" 6	" ..	49322	E. D. Smith, Winona.	3 "	42	Vendor	.....	Raspberry....	2·20
" 6	" .	49323	Bell Fruit Farms, Ltd., Grimsby.	3 "	45	Vendors.....	.....	Bell Brand Raspberry Jam.	6·32
14	" ..	49324	The T. A. Lytle Co., Ltd., 106 Sterling rd., Toronto.	3	48	" ...	.....	Pure Strawberry Jam.	3·73
" 21	" .	49325	T. H. Brown, Collingwood.	3 "	30	Lea's, Ltd., Simcoe.	....	Absolutely Pure Strawberry Jam.	3·60
" 28	" ..	49326	Frank Giles, Yonge st., Toronto.	3 .	60	Mrs. A. E. Scott, Toronto	.....	Home made Pure Raspberry Jam.	2·80
" 28	1 ..	49400	Wilson Clyne, 317 Parliament st., Toronto.	3 "	45	Simcoe Canning Co., Simcoe.	...	Absolutely Pure Strawberry Jam.	2·20

FRUIT JAMS.

Results of Analysis.

per cent. Soluble.	per cent. Total.	Water.	Polarization (normal solution). Direct.	Invert.	Difference.	Residual cane sugar	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Concluded.												
p. c.	p. c.	p. c.					p. c.	p. c.				
65·90	68·64	31·36	+11·0	21·7	32·7	24·65	41·25	None.	None.	Black Currant tissues	49547	Genuine.
59·00	62·85	37·15	-10·4	18·9	8·5	6·40	52·60	Benzoic acid.	"	Straw berry tissues	49548	Preservative. Otherwise genuine.
69·87	72·39	27·61	+22·0	23·1	45·1	34·00	35·87	None.	"	Raspberry tissues	49549	Genuine.
67·25	68·53	31·47	+3·8	23·0	26·8	20·20	47·05	"	"	Straw berry tissues.	49550	Genuine apple jelly acknowledged on label.
H. J. DAGER, INSPECTOR.												
63·90	69·08	30·92	+21·6	21·9	43·5	32·80	31·10	Benzoic acid.	None.	Raspberry tissues.	49317	A preservative. Otherwise genuine.
63·12	64·92	35·08	+26·3	-16·2	42·5	31·50	31·62	"	"	Straw berry tissues.	49318	" "
67·50	69·30	30·70	+43·9	-24·5	68·4	51·56	15·94	Salicylic acid.	"	Peach tissues.	49319	" "
67·50	70·74	29·26	+31·0	23·0	54·0	40·70	26·80	None.	Present.	Straw berry tissues.	49320	A dye. Otherwise genuine.
61·50	63·70	36·30	+18·9	-20·9	39·8	30·00	31·50	"	"	Raspberry tissues.	49322	" "
62·37	68·69	31·31	+33·6	21·5	55·1	41·53	20·84	"	"	"	49323	" "
54·30	58·03	41·97	+21·2	-16·5	37·7	28·42	25·85	Benzoic acid trace	None.	Straw berry tissues	49324	Trace preservative. Otherwise genuine.
58·62	62·22	37·78	+11·0	-18·2	7·2	5·42	53·20	Benzoic acid	"	"	49325	Preservative. Otherwise genuine.
64·10	66·90	23·10	+7·7	-22·2	14·5	10·93	53·17	None.	Present.	Raspberry tissues.	49326	Dyed. Otherwise genuine.
64·87	67·07	32·93	+10·7	-20·9	31·6	23·82	41·05	"	None.	Straw berry tissues.	49400	Genuine.

Date of Collection.	Nature of Sample.	No. of Sample.	Nature and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report (Is not an expression of opinion)	Solids Insoluble.
DISTRICT OF LONDON—									
1912.									p. c.
Feb 20	Fruit Jam.	47897	J. P. Sheppard, Clinton.	3 jars.	75	T. Upton Co., Ltd., Hamilton.	.....	Labelled. Upton's Pure Strawberry Jam.	4·43
" 20	" ..	47898	" ..	3 "	75	" ..	.....	Raspberry. ...	6·88
" 21	" ..	48207	McGuire & Co., Seaforth.	3 "	45	Lea's, Ltd., Simcoe.	....	Strawberry....	3·64
" 21	" ..	48209	H. Livingston, Seaforth.	3 "	75	Vendor	....	Cranberry preserves.	2·68
" 22	" ..	48214	Walsh Bros., Stratford.	3 "	90	Duerr's, Manchester, Eng.	.....	Raspberry....	3·16
" 22	" ..	48215	" ..	3 "	90	" ..	....	Black Currant	5·06
1 22	" ..	48216	A. Beattie & Co., Stratford	3 "	75	Maconochie, London, Eng.	....	Raspberry....	3·55
" 22	" ..	48221	Oman & Mallion, Stratford	3 "	60	Wagstaffe, Ltd. Hamilton.	....	"	2·31
" 22	" ..	48222	Barnsdale Trading Co., Stratford.	3 "	60	T. Upton Co., Ltd., Hamilton.	.....	"	7·44
" 24	" ..	48227	A. Beattie & Co., St. Mary's	3 "	60	Crosse & Blackwell, London, Eng.	.....	....	0·47
DISTRICT OF WINDSOR—									
Feb. 12	Fruit Jam..	47866	W. H. Tricker, Sarnia.	3 jars.	75	Wagstaffe, Ltd Hamilton.	.....	Blackberry Preserves.	4·72
" 12	" ..	47868	R. Wanless & Co., Sarnia.	3 "	60	Maconochie's, London, Eng	... .	Raspberry Jam	3·26
" 12	" ..	47870	A. H. Gammon & Son, Sarnia	3 "	75	Canada Preserving Co., Hamilton.	....	Graham's "Lily" Brand Pure Strawberry Jam.	5·46
" 13	" ..	47877	Wm. Cross, Strathroy.	3 "	75	Lea Pickling & Preserving Co., Simcoe.	.....	Strawberry Preserves.	3·03
" 6	" ..	48078	A. J. Clark & Co., London.	3 "	75	Cairns, Paisley Scotland.	....	Raspberry Jam.	3·53
" 7	" ..	48082	E. S. English, London.	3 "	75	Wagstaffe, Ltd Hamilton.	....	Pure Raspberry Jam.	3·60

FRUIT JAMS.

Results of Analysis.

per cent. Soluble.	Total.	Water.	Polarization (normal solution) Direct.	Invert.	Difference.	Residual cane sugar	Soluble matter other than cane sugar.	Preservative.	Dyes.	Microscopical examination.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
JNO. TALBOT, ACTING INSPECTOR.												
p. c.	p. c.	p. c.				p. c.	p. c.					
61·90	66·33	33·67	+ 7·4	- 20·1	27·5	20·73	41·17	Benzoic acid.	None	Strawberry tissues.	47897	A preservative. Otherwise genuine.
55·87	62·75	37·25	+ 5·1	- 18·2	23·3	17·56	38·31	Trace of benzoic acid.	"	Raspberry tissues.	47898	Trace preservative. Otherwise genuine.
61·37	65·01	34·99	12·9	- 19·2	6·3	4·75	56·62	Benzoic acid.	"	Strawberry tissues.	48207	Preservative. Otherwise genuine.
44·25	46·93	53·07	- 12·7	- 13·0	0·3	0·22	44·03	None	"	Cranberry tissues	48209	Genuine. A preserve.
67·75	70·91	29·09	+ 28·9	- 22·6	51·5	38·82	28·93	"	"	Raspberry tissues.	48214	Genuine.
61·50	66·56	33·44	- 3·0	19·7	22·7	17·11	44·39	"	"	Currant tissues.	48215	"
62·87	66·42	33·58	+ 18·4	+ 12·4	6·0	4·52	58·35	"	"	Raspberry tissues.	48216	Contains glucose.
65·25	67·56	32·44	+ 31·7	- 22·5	54·2	40·86	24·39	"	Present.	"	48221	Dyed. Otherwise genuine.
56·50	63·94	36·06	+ 8·4	- 18·6	27·0	20·35	36·15	Trace of benzoic acid.	None.	"	48232	Trace preservative. Otherwise genuine.
65·25	65·72	34·28	10·4	22·0	11·6	8·74	56·51	None.	"	Pine apple tissues.	48227	Genuine.
JNO. TALBOT, INSPECTOR.												
24·25	28·97	71·03	7·3	7·3	0·0	0·0	24·25	Salicylic acid.	None.	Blackberry tissues.	47866	Preservative. Is a preserve.
65·60	68·86	31·14	+ 11·2	- 22·2	33·4	25·18	40·42	None.	Present.	Raspberry tissues.	47868	Dyed. Otherwise genuine.
58·25	63·71	36·29	- 2·0	- 18·5	16·5	12·44	45·81	Benzoic acid.	None.	"	47870	Preservative. Otherwise genuine.
61·25	64·28	35·72	0·0	- 20·1	20·1	15·15	46·10	None.	"	Strawberry tissues.	47877	Genuine.
68·00	71·53	28·47	- 12·0	- 21·5	9·5	7·16	60·84	"	"	Raspberry tissues.	48078	"
67·25	70·85	29·15	+ 24·5	- 23·9	48·4	36·48	30·77	"	Present slight.	"	48082	Trace dye. Otherwise genuine.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report (Is not an expression of opinion).	Solids Insoluble.
									p. c.
DISTRICT OF WINDSOR									
1912.									
Feb. 7	Fruit Jam	48085	E. & O. Boug., London.	3 jars.	30	Lea's, Ltd., Simcoe.	.....	Strawberry Preserves.	3·57
" 7	"	48089	G. S. Pettit, London East	3 "	75	Wagstaffe, Ltd Hamilton.	.....	Black Currant Jam.	2·08
" 8	"	48092	R. W. James, London East	3 "	60	E. D. Smith, Winona.	.....	"	3·70
DISTRICT OF MANITOBA									
Mar. 11	Fruit Jam	47489	J. Grant, grocer, Winnipeg.	3 pks.	45	E. D. Smith, Winona, Ont	.....	.....	3·10
" 11	"	47490	"	3 "	75	Chivers & Sons, Ltd., Histon, Cambridge, Eng.	.....	Strawberry	4·40
" 11	"	47491	"	3 "	75	L. Noel & Sons, Ltd., London	.....	Raspberry	4·77
" 11	"	47492	S. Goddard, grocer, Winnipeg.	3 "	75	Jno. Buchanan & Bros., Ltd., Glasgow.	.....	Strawberry	1·24
" 11	"	47493	"	3 "	75	Jas. Robertson & Sons, Manchester, Eng	.....	"	2·23
" 11	"	47494	"	3 "	75	W. P. Hartley, Liverpool, Eng.	.....	Black Currant	3·03
" 11	"	47495	W. J. Kennedy, grocer, Norwood Grove.	3 "	105	E. D. Smith, Winona, Ont	.....	Pear	1·72
" 11	"	47496	"	3 "	75	Jno. Buchanan & Bros., Ltd., Glasgow.	.....	Plum	2·71
" 11	"	47497	"	3 "	75	"	.....	Apricot	0·88
" 11	"	47498	Francis Bros., grocers, Norwood Grove.	3 "	75	Clarke Nickalls & Coombs London.	.....	Strawberry	3·15

FRUIT JAMS.

Results of Analysis.

Per cent. Soluble.	Total.	Water.	Polarization (normal solution). Direct.	Invert.	Difference.	Residual cane sugar.	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
Concluded.												
p. c.	p. c.	p. c.				p. c.	p. c.					
57·62	61·19	38·81	9·9	17·6	7·7	5·80	51·82	Trace of benzoic acid.	None.	Strawberry tissues.	48085	Trace preservative. Otherwise genuine.
65·00	67·08	32·92	+ 5·1	- 21·9	27·0	20·30	44·70	None.	"	Black currant tissues.	48089	Genuine.
59·87	63·57	36·43	+ 6·6	21·4	28·0	21·10	38·77	"	"	"	48092	"

A. C. LARIVIERE, INSPECTOR.

59·50	62·60	37·40	9·5	- 16·5	7·0	5·28	54·22	None.	None.	Plum tissues.	47489	Genuine.
67·60	72·00	28·00	+ 30·5	- 22·5	53·0	39·95	27·65	"	"	Strawberry tissues.	47490	" Fruit jelly acknowledged on the label.
65·89	70·57	29·43	+ 6·6	- 15·1	21·7	16·36	49·44	"	"	Raspberry tissues.	47491	Contains glucose.
67·37	68·61	30·39	+ 12·4	- 21·7	34·1	25·70	41·67	"	Present.	Strawberry tissues.	47492	Dyed. Otherwise genuine; fruit jelly acknowledged.
67·70	69·93	30·07	+ 20·0	22·2	42·2	31·80	35·90	Salicylic acid trace	Slightly dyed	"	47493	Trace salicylic acid and dye. Otherwise genuine.
69·39	72·33	27·67	- 11·4	23·0	34·4	25·93	43·37	None.	None.	Currant tissues.	47494	Genuine.
68·62	70·34	29·66	+ 4·1	- 22·8	26·9	20·28	48·34	"	"	Pear tissues.	47495	"
68·75	71·46	28·54	+ 0·8	21·5	22·3	16·80	51·95	"	Present.	Plum tissues & very few stones.	47496	Dye. Otherwise genuine with fruit jelly acknowledged
68·50	69·38	30·62	+ 16·6	- 21·9	38·5	29·02	39·48	"	None.	Apricot tissues.	47497	Genuine with fruit jelly acknowledged
66·12	69·27	30·73	+ 12·2	- 21·9	34·1	25·70	40·42	"	"	Strawberry tissues.	47498	Genuine. Fruit jelly acknowledged.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Furnisher.	Inspector's Report (Is not an expression of opinion).	Solids Insoluble.
DISTRICT OF CALGARY—									
1912.									p. c.
Mar. 6	Fruit Jam..	44141	Capitol Mercantile Co., Edmonton.	3 bots.	75	Wagstaffe, Ltd Hamilton.			5·00
" 7	" ..	44142	Hudson Bay Co., Edmonton.	3 "	75	Empress Mfg. Co., Ltd., Vancouver.			5·44
" 7	" ..	44143	Acme Co., Edmonton.	3 "	90	Crosse & Blackwell, London Eng.			5·32
" 8	" ..	44144	Hallier & Aldridge, Edmonton.	3 "	75	Chivers & Sons, Ltd., Histon Cambridge, Eng.			4·80
" 8	" ..	44145	J. H. Morris Co., Ltd., Edmonton.	3 "	75	Kootenay Jam Co., Ltd., Nelson, B.C.			3·94
" 14	" ..	44146	L.T. Mewburn & Co., Ltd., Calgary.	3 jars.	60	Wagstaffe, Ltd Hamilton.			2·47
" 14	" ..	44147	Georgeson Co., Ltd., Calgary	3 "	65	E. D. Smith, Winona, Ont			3·90
" 14	" ..	44148	Campbell, Wilson & Horne, Calgary.	3 "	60	W. P. Hartley, Liverpool, Eng.			1·23
" 14	"	44149	The Alberta Empress Co., Ltd., Calgary	3 "	60	Empress Mfg. Co., Ltd., Vancouver.			2·80
" 14	"	44150	Hudson Bay Co., Calgary	3 "	75	E. D. Smith, Winona, Ont			5·35
DISTRICT OF NELSON									
Feb. 13	Fruit Jam..	48496	England & Son, Kamloops, B.C.	3 bots.	75	Wagstaffe, Ltd Hamilton.			2·72
" 13	" ..	48497	"	3 jars.	75	Crosse & Blackwell, London Eng.			2·27
" 13	" ..	48498	"	3 "	75	"			0·84
" 13	"	48499	"	3 "	75	"			3·96
" 13	"	49616	Wilson Grocery Co., Kamloops, B.C.	3 "	90	Empress Mfg. Co., Vancouver.			3·50
" 13	"	49617	"	3 "	90	"			5·00

FRUIT JAMS.

Results of Analysis.

per cent. Soluble.	per cent. Total	per cent. Water.	Polarization (normal solution).			Residual cane sugar.	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.	No. of Sample.	Remarks and Opinion of the Chief Analyst.
				Invert.	Difference.							
R. W. FLETCHER, INSPECTOR.												
p. c.	p. c.	p. c.				p. c.	p. c.					
63·90	68·90	31·10	+ 7·3	20·9	28·2	21·26	42·64	None	None.	Black currant tissues.	44141	Genuine.
65·50	70·94	29·06	+ 9·3	21·7	31·0	23·37	42·13	"	"	Raspberry tissues.	44142	"
67·20	72·52	27·48	+ 7·1	21·7	28·8	21·70	45·50	"	"	"	44143	"
63·50	68·30	31·70	5·4	19·5	14·1	10·63	52·87	"	"	Plum tissues and stones.	44144	"
69·30	73·24	26·76	+24·3	11·6	35·0	27·06	42·24	"	"	Strawberry tissues.	44145	Contains glucose.
69·50	71·97	29·03	+29·6	23·4	53·0	39·95	29·55	"	Present.	Black currant tissues.	44146	Dyed. Otherwise genuine.
60·87	64·77	35·23	+ 9·7	22·3	32·0	24·12	36·75	"	None	"	44147	Genuine.
68·90	70·13	29·87	+21·4	22·6	44·0	33·17	35·73	"	"	Strawberry tissues.	44148	Genuine. Fruit juice acknowledged.
67·20	70·00	30·00	+30·0	22·8	52·8	39·80	27·40	"	"	"	44149	Genuine.
61·62	66·95	33·03	11·1	19·5	8·4	6·33	55·29	"	"	Gooseberry tissues.	44150	"
THOS. PARKER, INSPECTOR.												
66·62	69·34	30·66	37·5	25·1	60·6	45·68	20·94	None	Present.	Raspberry tissues.	48496	Dyed. Otherwise genuine.
69·00	71·27	28·73	+27·9	23·1	51·0	38·45	30·55	"	None	Strawberry tissues.	48497	Genuine.
66·75	67·59	32·41	6·3	20·0	13·7	10·33	56·42	"	"	Plum tissues.	48498	"
59·50	63·46	36·54	6·6	19·3	12·7	9·57	49·93	"	"	Raspberry tissues.	48499	"
65·70	69·20	30·80	28·9	21·9	50·8	38·30	27·40	"	"	Strawberry tissues.	49516	"
66·62	71·62	28·38	+15·7	22·6	38·3	28·87	37·75	"	"	Raspberry tissues.	49617	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.	Inspector's Report (Is not an expression of opinion).	Solids
DISTRICT OF NELSON—									
1912.									p. c.
Feb. 13	Fruit Jam..	49618	Wilson Grocery Co., Kamloops, B.C.	3 bots.	90	Empress Mfg. Co., Vancouver.	.....	.....	1·35
" 13	" ..	49619	" .	3 "	75	Chivers & Sons, Histon, Eng.	.....	.....	5·30
" 13	" ..	49620	" ..	3 "	75	"	.....	.....	6·52
" 13	" ..	49621	" ..	3 "	75	"	.....	.....	7·60
DISTRICT OF VANCOUVER—									
Feb 14	Fruit Jam..	3829..	B. T. Malcolm, Chilliwack, B.C.	3 jars.	75	Norfolk Preserving Co., Norfolk, Ont	.....	Guaranteed Pure Plum Jam.	6·53
" 14	" ..	38296	Ashwell Dept. Store, Chilliwack, B.C.	3 "	75	Empress Mfg. Co., Vancouver.	.....	Red Currant..	2·30
" 14	" .	38297	Lillie's Cash Grocery, Chilliwack, B.C.	3 "	75	E. D. Smith, Winona, Ont	.....	Raspberry...	4·26
" 14	" ..	38298	Jas. Plumridge Mission Jct., B.C.	3 "	75	Kootenay Jam Co., Mission City, B.C.	.....	Guaranteed Pure Fruit & Sugar only.	3·11
" 19	" ..	38299	Ayling & Swain New Westminster, B.C	3 "	75	Empress Mfg. Co., Vancouver.	.....	Strawberry...	3·04
" 20	" ..	38300	W. H. Walsh Co., Ltd., Eburne, B.C	3 "	75	Kootenay Jam Co., Nelson, B.C.	.....	Gurante'd pure fruit & sugar only.	5·47
" 20	" ..	38301	G. D. Richards Eburne, B.C	3 "	1.05	Duerr's, London, Eng.	.....	Raspberries & cane sugar warranted strictly pure.	2·16
" 21	" ..	38302	A. & C. Grocery Vancouver, B.C.	3 "	60	Chivers & Sons, Ltd., Cambridge, Eng.	.....	Improved with a small portion of fruit jelly.	3·04
" 21	" ..	38303	Dominion Grocery, Vancouver, B.C.	3 "	75	Crosse & Blackwell, London Eng.	.....	Prepared from selected fruits	2·60
" 21	" ..	38304	David Spencer, Ltd., Vancouver, B.C.	3 "	75	L. Noel & Sons, London, Eng	.....	Made from fresh fruit & pure refined sugar.	3·23

FRUIT JAMS.

Results of Analysis.												
per cent.			Polarization (normal solution).									Remarks and Opinion of the Chief Analyst.
Soluble.	Total.	Water.	Direct.	Invert.	Difference.	Residual cane sugar	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.	No. of Sample.	
Concluded.												
p. c.	p. c.	p. c.				p. c.	p. c.					
68·90	70·25	29·75	+20·3	-22·0	42·3	31·90	37·00	None.	None.	Gooseberry tissues.	49618	Genuine.
61·90	67·20	32·80	+29·3	19·2	48·5	36·56	25·34	"	"	Plum tissues and stones.	49619	"
65·70	72·22	27·78	+ 4·3	-19·7	24·0	18·10	47·60	"	"	"	49620	"
62·62	70·22	29·78	+ 7·4	-17·9	25·3	19·07	43·55	"	"	"	49621	"
J. F. POWER, INSPECTOR.												
59·40	65·93	34·07	+13·3	- 0·9	14·2	10·70	48·70	Benzoic acid.	None.	Plum tissues.	38295	Preservative. Glucose present.
66·50	68·80	31·20	+12·6	-22·2	34·8	26·23	40·27	None.	"	Currant tissues.	38296	Genuine.
63·25	67·51	32·49	+ 6·4	-22·3	28·7	21·63	41·62	"	"	Raspberry tissues.	38297	"
65·60	68·71	31·29	+30·0	+ 2·4	27·6	20·78	44·82	"	"	Currant tissues.	38298	Contains glucose.
67·20	70·24	29·76	+28·6	-23·1	51·7	38·97	28·23	"	"	Strawberry tissues.	38299	Genuine.
63·50	68·97	31·03	+36·0	- 0·5	36·5	27·50	36·00	"	"	Raspberry tissues.	38300	Contains glucose.
70·25	72·41	27·59	+ 4·3	-23·1	27·4	20·65	49·60	"	"	"	38301	Genuine.
65·37	68·41	31·59	+ 3·7	-21·7	25·4	19·5	46·22	"	"	"	38302	Genuine. Fruit jelly acknowledged.
70·90	73·50	26·50	+24·5	-22·8	47·3	35·66	35·24	"	"	Plum tissues.	38303	Genuine.
66·50	69·73	30·27	+18·9	- 5·1	24·0	18·10	48·40	"	"	Plum tissues & a few stones.	38304	Contains glucose.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Quantity.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Manufacturer.	Name and Address of Manufacturer or Furnisher as given by the Vendor. Furnisher.	Inspector's Report (Is not an expression of opinion).	Solids Insoluble.
									p. c.
DISTRICT OF VICTORIA									
1912.									
Feb. 27	Fruit Jam..	49101	Windsor Grocery Co., Victoria, B.C.	3 pkgs	90	L. Noel & Sons, London, Eng	.....	Pure Raspberry.	5·17
" 27	" ..	49102	" ..	3 "	90	Empress Mfg. Co., Ltd., Victoria, B.C	.....	Strawberry "Empress Brand."	3·00
" 28	" ..	49103	The West End Grocery Co., Ltd., Victoria, B.C.	3 "	90	Kootenay Jam Co., Ltd., Nelson, B.C.	.....	Strawberry "Kootenay Brand."	2·45
" 28	" ..	49104	" ..	3 "	60	Simcoe Canning Co., Simcoe, Ont.	.....	Strawberry ..	4·84
" 29	" ..	A 49104	D. H. Ross & Co., Victoria, B.C.	3 "	75	E. D. Smith, Winona, Ont	.....	E. D. S. Raspberry.	4·64
" 29	" ..	49105	" ..	3 "	75	Crosse & Blackwell, London Eng.	.....	C. & B. Black Currant.	4·00
Mar. 1	Fruit Jam..	49106	Copas & Young Victoria, B.C	3 "	60	Chivers & Sons, Ltd., London, Eng.	.....	Chiver's Green Gooseberry.	3·70
" 6	" ..	49107	Wm. B. Hall, Victoria, B.C	3 "	75	Robertson's, London, Eng	.....	Robertson's Raspberry.	3·14
" 6	" ..	49108	Harrison & McDonald, Victoria, B.C.	3 "	75	Jas. Robertson & Sons, Paisley.	.....	Golden Shred Strawberry.	2·83
" 6	" ..	49109	Acton Bros., Victoria, B.C	3 "	90	Kootenay Jam Co., Nelson, B.C.	.....	"Kootenay" Brand Golden Plum.	4·70

FRUIT JAMS.

Results of Analysis.												
per cent.			Polarization (normal solution).								No. of Sample.	Remarks and Opinion of the Chef Analyst.
Soluble.	Total.	Water.	Direct.	Invert.	Difference.	Residual cane sugar	Soluble matter other than cane sugar.	Preservatives.	Dyes.	Microscopical examination.		
D. O'SULLIVAN, INSPECTOR.												
p. c.	p. c.	p. c.				p. c.	p. c.					
64·25	69·42	30·58	− 2·6	−15·8	13·2	9·95	54·30	None.	None.	Raspberry tissues.	49101	Trace of glucose.
67·87	70·87	29·13	+38·0	22·8	60·8	45·83	22·04	"	"	Strawberry tissues.	49102	Genuine.
63·80	66·25	33·75	+19·3	− 2·7	22·0	16·58	47·22	"	"	"	49103	Contains glucose.
67·25	72·09	27·91	+20·0	−22·3	42·3	31·16	36·09	Salicylic acid trace	"	"	49104	Trace preservative. Otherwise genuine.
60·37	65·01	34·99	+15·0	−19·7	34·7	26·16	34·21	None.	"	Raspberry tissues.	A 49104	Genuine.
71·90	75·90	24·10	+11·6	−23·4	35·0	26·40	45·50	"	"	Black currant tissues.	49105	"
63·37	67·07	32·93	−11·7	−20·4	8·7	6·56	56·81	"	"	Gooseberry tissues.	49106	"
67·12	70·26	29·74	+18·8	−22·2	41·0	30·90	36·22	Salicylic acid trace		Raspberry tissues.	49107	Trace preservative. Otherwise genuine.
65·60	68·43	31·57	+32·2	−21·5	53·7	40·48	25·12	"	slightly dyed.	Strawberry tissues.	49108	Trace preservative and dye. Otherwise genuine.
64·10	68·80	31·20	+31·7	+ 8·4	23·3	17·56	46·54	None.	None.	Plum tissues and stones.	49109	Contains glucose.